

# PERLITE STATISTICS

By Carl A. DiFrancesco and Wallace P. Bolen

[All values in metric tons (t) unless otherwise noted]

| Year | Production | Imports | Exports | Apparent consumption | Unit value (\$/t) | Unit value (98\$/t) | World production |
|------|------------|---------|---------|----------------------|-------------------|---------------------|------------------|
| 1946 | 4,170      |         |         | 4,170                | 5.90              | 49.10               |                  |
| 1947 | 9,480      |         |         | 9,480                | 6.12              | 44.70               |                  |
| 1948 | 20,000     |         |         | 20,000               | 6.68              | 45.10               |                  |
| 1949 | 64,500     |         |         | 64,500               | 7.90              | 54.10               |                  |
| 1950 | 92,100     |         |         | 92,100               | 7.04              | 47.60               |                  |
| 1951 | 139,000    |         |         | 139,000              | 6.16              | 38.80               |                  |
| 1952 | 150,000    |         |         | 150,000              | 6.70              | 41.10               |                  |
| 1953 | 180,000    |         |         | 180,000              | 7.98              | 48.70               |                  |
| 1954 | 200,000    |         |         | 200,000              | 8.82              | 53.40               |                  |
| 1955 | 259,000    |         |         | 259,000              | 8.79              | 53.60               |                  |
| 1956 | 281,000    |         |         | 281,000              | 9.07              | 54.30               |                  |
| 1957 | 273,000    |         |         | 273,000              | 9.38              | 54.20               |                  |
| 1958 | 265,000    |         |         | 265,000              | 9.29              | 52.50               |                  |
| 1959 | 295,000    |         |         | 295,000              | 9.28              | 51.90               |                  |
| 1960 | 283,000    |         |         | 283,000              | 9.41              | 51.70               |                  |
| 1961 | 281,000    |         |         | 281,000              | 9.47              | 51.50               |                  |
| 1962 | 290,000    |         |         | 290,000              | 9.17              | 49.30               |                  |
| 1963 | 295,000    |         |         | 295,000              | 9.25              | 49.20               |                  |
| 1964 | 318,000    |         |         | 318,000              | 9.68              | 50.90               |                  |
| 1965 | 356,000    |         |         | 356,000              | 9.42              | 48.60               |                  |
| 1966 | 367,000    |         |         | 367,000              | 10.70             | 53.60               |                  |
| 1967 | 375,000    |         |         | 375,000              | 10.60             | 51.70               |                  |
| 1968 | 388,000    |         |         | 388,000              | 10.90             | 51.00               |                  |
| 1969 | 427,000    |         |         | 427,000              | 11.90             | 53.08               |                  |
| 1970 | 414,000    |         |         | 414,000              | 11.80             | 49.75               |                  |
| 1971 | 392,000    |         |         | 392,000              | 12.60             | 50.77               |                  |
| 1972 | 494,000    |         |         | 494,000              | 12.60             | 49.10               |                  |
| 1973 | 494,000    |         |         | 494,000              | 11.30             | 41.57               |                  |
| 1974 | 503,000    |         |         | 503,000              | 14.00             | 46.13               |                  |
| 1975 | 464,000    |         |         | 464,000              | 15.70             | 47.48               |                  |
| 1976 | 502,000    |         |         | 502,000              | 18.70             | 53.63               | 1,270,000        |
| 1977 | 542,000    |         |         | 542,000              | 19.90             | 53.41               | 1,360,000        |
| 1978 | 582,000    |         |         | 582,000              | 23.60             | 59.05               | 1,430,000        |
| 1979 | 599,000    |         |         | 599,000              | 27.40             | 61.65               | 1,470,000        |
| 1980 | 579,000    |         |         | 579,000              | 28.50             | 56.40               | 1,530,000        |
| 1981 | 536,000    |         |         | 536,000              | 32.60             | 58.37               | 1,680,000        |
| 1982 | 459,000    | 14,500  | 18,100  | 455,000              | 35.00             | 59.03               | 1,660,000        |
| 1983 | 430,000    | 32,700  | 15,400  | 447,000              | 36.40             | 59.62               | 1,540,000        |
| 1984 | 452,000    | 40,800  | 18,100  | 474,000              | 36.80             | 57.81               | 1,630,000        |
| 1985 | 470,000    | 47,200  | 18,100  | 499,000              | 37.30             | 56.55               | 1,630,000        |
| 1986 | 460,000    | 54,400  | 27,200  | 487,000              | 34.00             | 50.58               | 1,700,000        |
| 1987 | 484,000    | 59,000  | 31,800  | 511,000              | 34.10             | 48.94               | 1,790,000        |
| 1988 | 523,000    | 56,200  | 32,700  | 499,000              | 33.80             | 46.56               | 1,850,000        |
| 1989 | 545,000    | 59,000  | 45,000  | 559,000              | 33.00             | 43.34               | 1,850,000        |
| 1990 | 576,000    | 59,000  | 32,000  | 603,000              | 30.30             | 37.77               | 1,580,000        |
| 1991 | 514,000    | 54,000  | 29,000  | 540,000              | 29.30             | 35.02               | 1,490,000        |
| 1992 | 541,000    | 65,000  | 29,000  | 577,000              | 28.10             | 32.62               | 1,740,000        |
| 1993 | 569,000    | 70,000  | 26,000  | 613,000              | 30.70             | 34.67               | 1,540,000        |
| 1994 | 644,000    | 70,000  | 30,000  | 684,000              | 29.90             | 32.93               | 1,650,000        |
| 1995 | 700,000    | 84,000  | 40,000  | 744,000              | 30.90             | 33.01               | 1,800,000        |
| 1996 | 684,000    | 125,000 | 38,000  | 771,000              | 31.10             | 32.32               | 1,830,000        |
| 1997 | 706,000    | 135,000 | 38,000  | 803,000              | 33.00             | 33.52               | 1,900,000        |

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[All values in metric tons (t) unless otherwise noted]

| Year | Production | Imports | Exports | Apparent<br>consumption | Unit value<br>(\$/t) | Unit value<br>(98\$/t) | World<br>production |
|------|------------|---------|---------|-------------------------|----------------------|------------------------|---------------------|
| 1998 | 685,000    | 150,000 | 42,000  | 793,000                 | 31.90                | 31.90                  | 1,820,000           |
| 1999 | 711,000    | 144,000 | 47,000  | 808,000                 | 33.40                | 32.60                  | 1,960,000           |

## **Perlite Worksheet Notes**

### **Data Sources**

The source of data for the perlite worksheet is the mineral statistics publication of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB). The years of publication and corresponding years of data coverage are listed in the References section below. Blank cells in the worksheet indicate that data were not available. Data were not available prior to 1946 as perlite mining did not begin until the early 1940's.

### **Production**

Production data for crude perlite in the United States were derived by adding the “quantity sold” plus the “quantity used at own plant to make expanded material.” Data were from the MYB.

### **Imports**

Import data report the amounts of processed crude perlite imported into the United States. Data were from the MYB. Blank cells in the worksheet indicate that data were not available for the years 1946–81.

### **Exports**

Export data report the amounts of processed crude perlite exported from the United States. Data were from the MYB. Blank cells in the worksheet indicate that data were not available for the years 1946–82.

### **Apparent Consumption**

Apparent consumption was estimated for the years 1946–90, by using the formula:

$$\text{APPARENT CONSUMPTION} = \text{PRODUCTION} + \text{IMPORTS} - \text{EXPORTS}.$$

Apparent consumption was taken from the MYB for the years 1991–98.

### **Unit Value (\$/t)**

Unit value is the value in dollars of 1 metric ton (t) of perlite apparent consumption. Data were from, the MYB. Unit value was estimated in actual dollars by dividing “value of crude perlite sold + value of crude perlite used at own plant to make expanded material” by “quantity of crude perlite sold + value of crude perlite used at own plant to make expanded material.”

### **Unit Value (98\$/t)**

Dividing the Consumer Price Index conversion factor with 1998 as the base year into the “Unit Value,” determined previously, results in unit value in constant 1998 U.S. dollars.

### **World Production**

World production data were for crude and processed perlite produced. Data were from the MYB. Blank cells in the worksheet indicate that data were not available for the years 1946–75.

### **References**

U.S. Bureau of Mines, 1948–96, Minerals Yearbook, 1946–94.  
U.S. Geological Survey, 1997–2001, Minerals Yearbook, v. 1, 1995–99.

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